

SEED DRILLS



UNIA



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24
MONTHS
WARRANTY

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UNIA Catalogue

Edition: July 2018

UNIA hereby reserves the right to introduce changes in the offer, especially to withdraw products from sale or change specifications without prior notice.

The colours on the pictures may slightly differ from those available in reality.

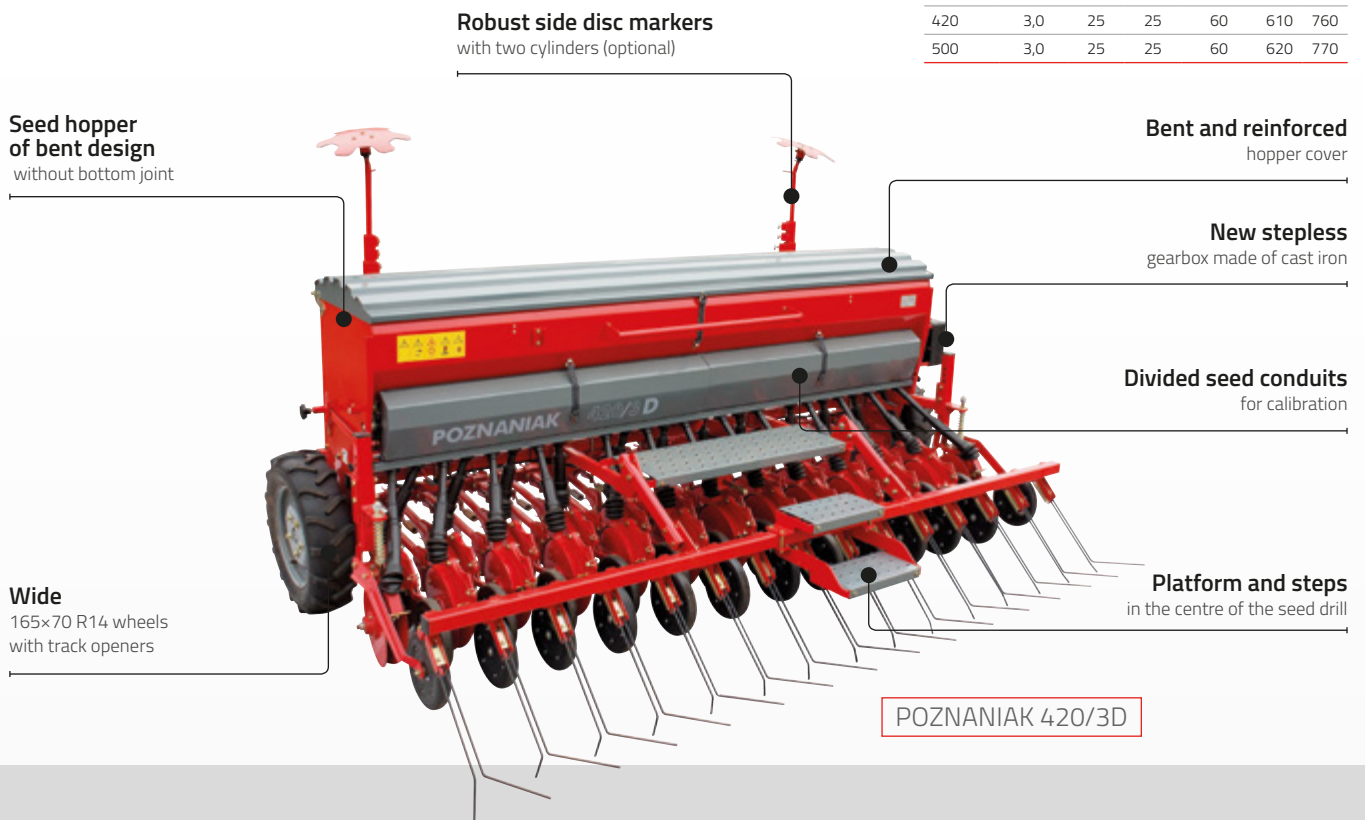
The weight of the machines is stated in KG, the power in HP, the length in CM.

POZNANIAK 330/370/420/500

mechanical seed drills

POZNANIAK

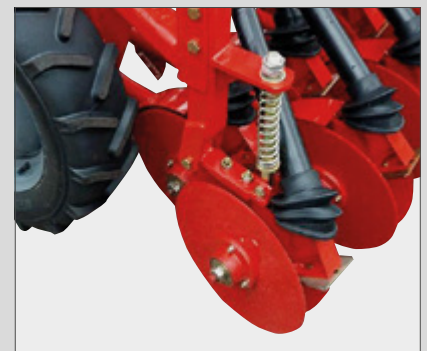
MODEL	WIDTH (M)	NUMBER OF COULTERS (PCS.)		POWER DEMAND (HP)	WEIGHT (KG)	
		D	D		D	D
330	2,5	21	21	45	510	630
370	2,7	23	23	45	550	680
420	3,0	25	25	60	610	760
500	3,0	25	25	60	620	770



The POZNANIAK series seed drills are suitable to be combined with light cultivation machines.



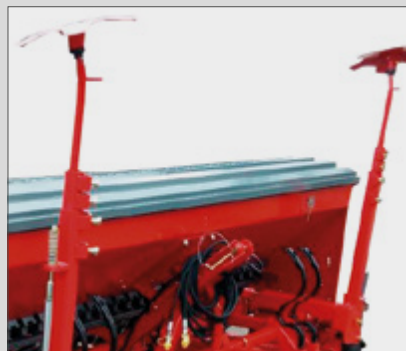
The seed dispensing system comprises of two metering rollers for sowing fine seeds (rape) or large seeds (pea), that precisely collect the seeds from the bottom flaps.



Three types of coulters hoe, „V” disc and „V-TECH” disc coulters mounted to a ground-following and compacting wheel ensure excellent sowing in any selected cultivation method.



Precise, individually tested transmission gear each ensures accurate sowing pattern.



Drive markers of special reinforced design are based on two cylinders that lift vertically. They are provided with pitch-adjustable marker discs.



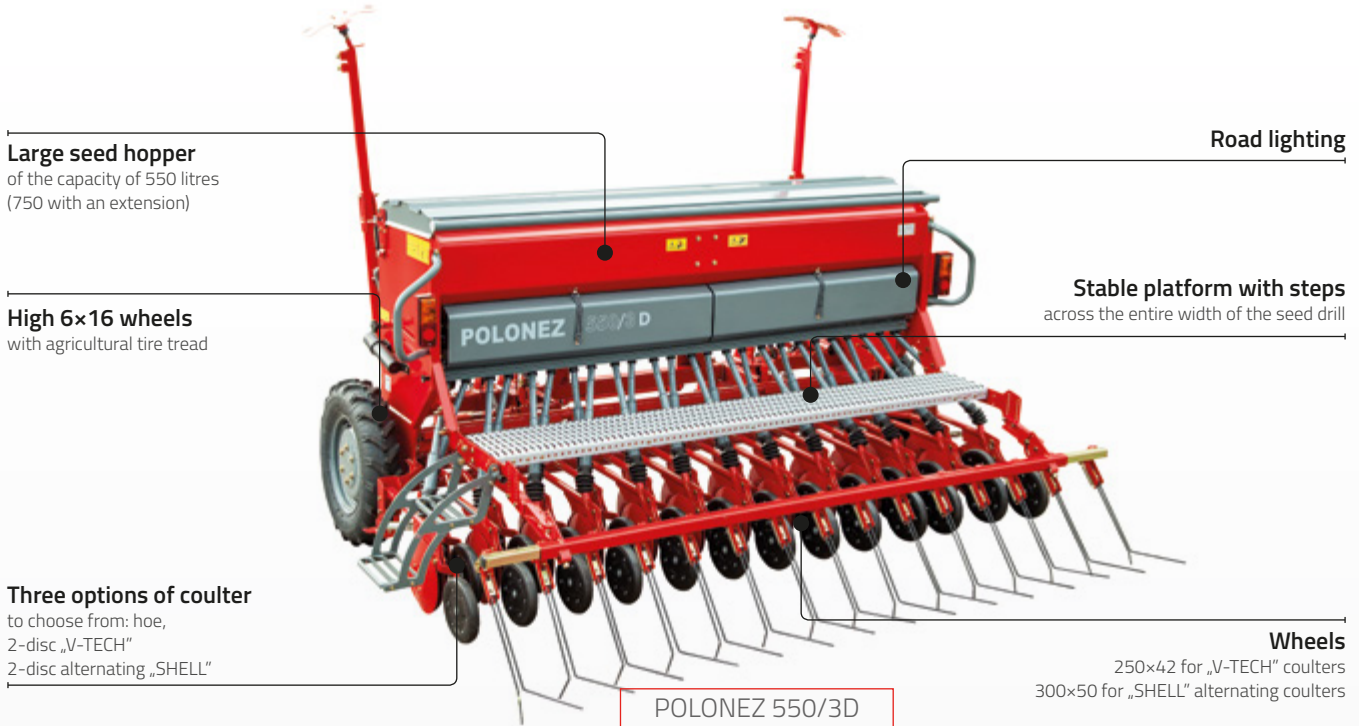
The tractor track aerators even up the surface compacted by the tractor and thus ensure equal sowing depth.

POLONEZ

MODEL	WIDTH (M)	NUMBER OF COULTERS (PCS.)	POWER DEMAND (HP)	WEIGHT (KG)
550	3	25	80	710
550 D	3	25	80	850

POLONEZ 550

mechanical seed drills



Large seed hopper
of the capacity of 550 litres
(750 with an extension)

Road lighting

High 6x16 wheels
with agricultural tire tread

Stable platform with steps
across the entire width of the seed drill

Three options of coulter
to choose from: hoe,
2-disc „V-TECH“
2-disc alternating „SHELL“

Wheels

250x42 for „V-TECH“ coulters
300x50 for „SHELL“ alternating coulters

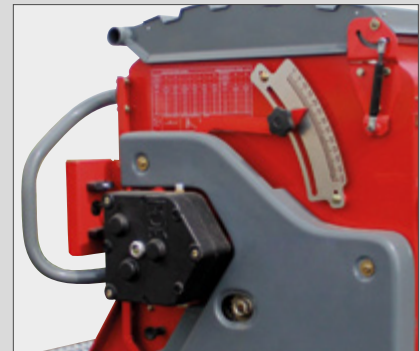
POLONEZ 550/3D



Track markers
based on a dual actuator system.



Seed hopper
with a platform to load seed bags.



Variable gearbox
in cast-iron.



Control rod
is used to adjust the depth of the work
of all coulters simultaneously.



Ground-following and compacting wheels
placed behind the coulters ensure
high uniformity of sprouting.



STARTER SEED
electronic passage track and pre-
sprouting marker controller.



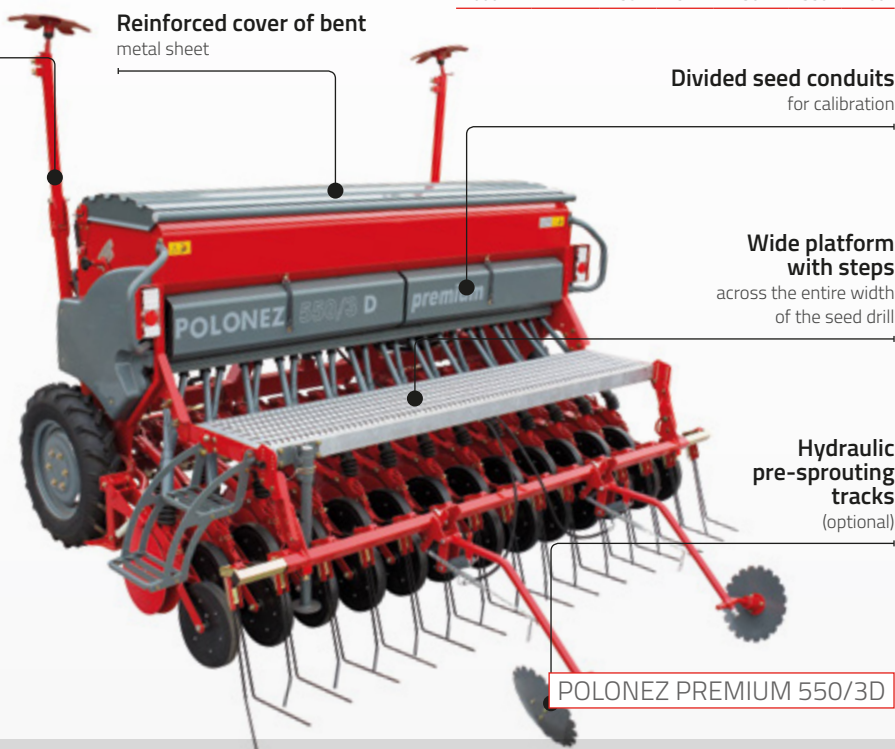
POLONEZ premium / MAZUR

mechanical seed drills

Hydraulic disc markers
on two cylinders



SUPERIOR computer
ensures electronic sowing control and adjustment. The computer is compatible with other UNIA machines.



Reinforced cover of bent metal sheet

Divided seed conduits for calibration

Wide platform with steps across the entire width of the seed drill

Hydraulic pre-sprouting tracks (optional)

POLONEZ PREMIUM 550/3D

POLONEZ PREMIUM

MODEL	WIDTH (M)	NUMBER OF COULTERS (PCS.)		POWER DEMAND (HP)	WEIGHT (KG)	
	3	D			D	
550	3	29	25	60	680	870
780	4	35	31	80	920	1100
1000	4	35	31	90	930	1150



Two disc-coulters „SHELL” in alternating configuration
protect the sown seeds up to the required depth, ensuring even sprouting. Pressure wheels determine the correct depth and ensure proper moisture supplied to the seeds.



Depth control hydraulic rod
ensures even sprouting in the fields with patched soil.



DUPLO System
due to a division of the hopper into two compartments and additional sowing units, allows for simultaneous sowing and fertilizer spreading with a single coulters.

Longitudinal transport system
makes logistics much easier during field operations



MAZUR 1100/6D

A hopper
of 855 or 1100 dm³, DUPLO System – a divided hopper (fertilizer/seeds)

MAZUR						
MODEL	WIDTH (M)	NUMBER OF COULTERS (PCS.)		POWER DEMAND (HP)	WEIGHT (KG)	
		D			D	
855	4,5	39	35	80-100	1800	1995
855 Duplo	4,5	—	35	80-100	—	2100
1100	6,0	51	47	100-120	2300	2560
1100 Duplo	6,0	—	47	100-120	—	2750

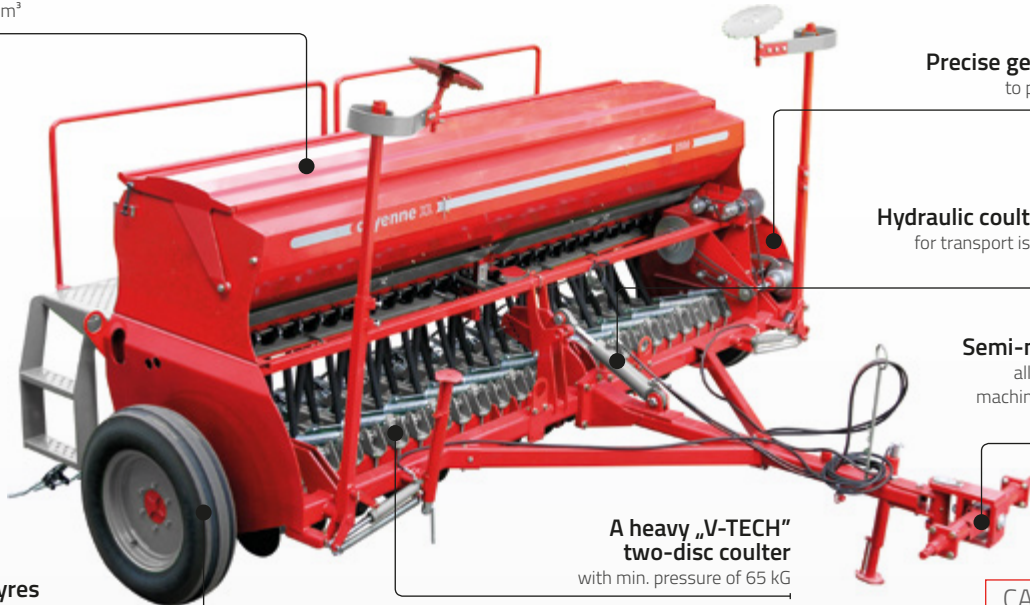
CAYENNE

MODEL	WIDTH (M)	NUMBER OF COULTERS (PCS.)	POWER DEMAND (HP)	WEIGHT (KG)
1500	4	26	80	2300

CAYENNE 1500

heavy mechanical seed drill

Large hopper
capacity of 1500 dm³



Precise gear transmission,
to pre-set the seed dose

Hydraulic coulters lifting system
for transport is at the same time the central pressure unit

Semi-mounted system
allows to aggregate the machine with tractors of the a power from 80 hp.

A heavy „V-TECH” two-disc coulters
with min. pressure of 65 kG

CAYENNE 1500

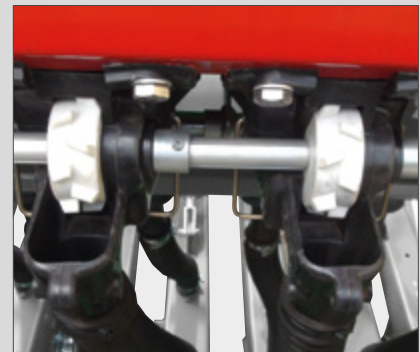
High 7.5x20 tyres
ensures stable transport



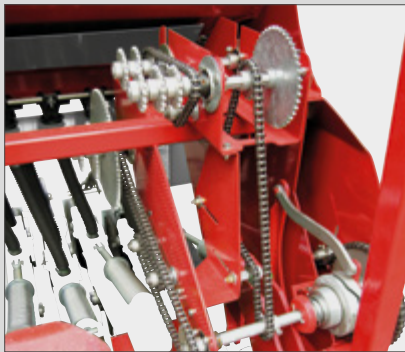
Hydraulic pressure
Hydraulic cylinder allows coulters pressure regulation and lifts coulters section to transport position.



A stepless sowing unit
for seed that is adjusted by ejecting a sowing roller.



A spiked roller fertilizer distribution unit



Mechanical adjustment of sowing
by a chain transmission; it is possible to precisely set the sowing by changing the gear. Mounted for both, seed and fertilizer in a DUPLO system.



A heavy „V-TECH” coulters
has, as standard version, a wide compaction roller that compacts the soil around the seeds. Easy depth adjustment reduces the penetration of the coulters even on patched soil.



CAYENNE
A loading platform across the entire width.



FM 400/700

mechanical seed drills

FM

MODEL	WIDTH (M)	NUMBER OF COULTERS (PCS.)		POWER DEMAND (HP)	WEIGHT (KG)	
		D	D		D	D
400	3	25	25	70	1200	1350
700 S	3	25	25	120	1680	1850
700 T	3	—	25	120	—	1800
700 A	3	25	25	140	2100	2230



Seed hoppers of the capacity
of 700 dm³ (FM 700)
or 400 dm³ (FM 400)

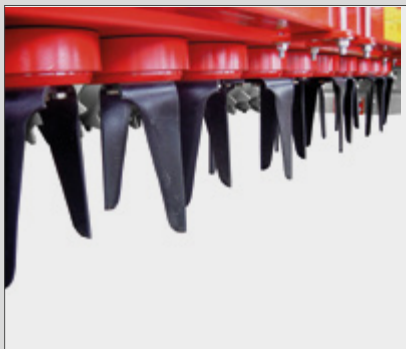
Hoe coulters or single-disc coulters
300 mm with a 250 × 42 mm
ground-following wheel

FM A 700/3

Hydraulic disc markers
with two actuators

Three cultivating units to choose
from: light active harrow with
cutters of the length of 250 mm,
tine unit or disc unit

Compact design
of the support enable easy removal of the seed drill



Work elements
are professionally protected against stones.



Front and rear beam
allow for precise crushing of clumps
without picking them up again.



Three aggregation systems
guarantee good soil cultivation in all conditions.



The 400 model
with its super-lightweight version of the seed
drill is designed for tractors with 70 HP. As
a standard it is equipped with a STARTER
SEED computer and passage markers.



Scaled depth adjustment
allows for precise placement of
seeds at the desired depth.



Soil compaction
by Packer roller or by a rubber roller ensure even
moisture penetration across the entire width.

FENIX 700

pneumatic seed drills

FENIX

MODEL	WIDTH (M)	NUMBER OF COULTERS (PCS.)	POWER DEMAND (HP)	WEIGHT (KG)
		D		D
700 S	3	24	100-120	1850
700 T	3	24	120	1910
700 A	3	24	120-140	2120

Compact design;

seeds distributor inside the hopper of the capacity of 700 litres

Central seed distributor

provides uniform sowing of fine and coarse seeds

Three cultivation systems

to choose: with tines, discs, active

A sowing unit drive

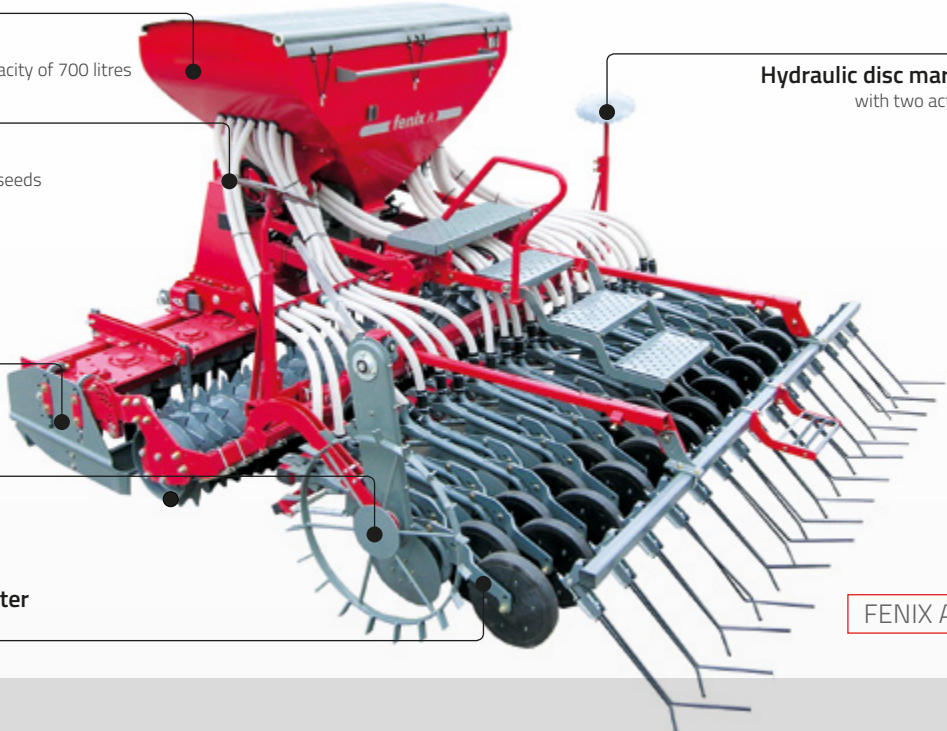
mechanical or electrical

„SHELL“ two-disc alternating coulters

with the pressure of P = 25 kG

Hydraulic disc markers

with two actuator



FENIX A 700/3



The fan

is powered by a hydraulic motor of the output of 24 l/min.



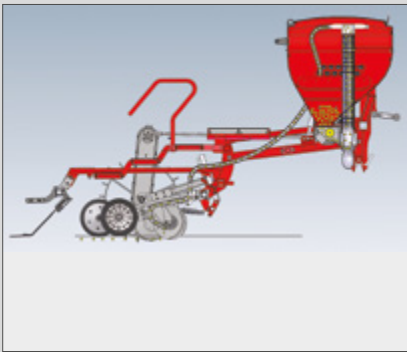
Calibration test in a seed drill

with electric drive is performed by pressing a single button.



Superior Computer

a new seed drill and electronic sowing control solution.



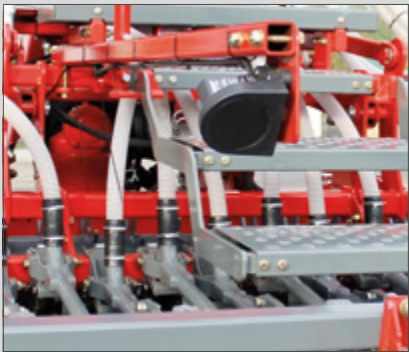
Central system for dispensing and dosage

of seed material ensures precise adjustment of seed dose of various types of seeds, without the need to readjust the seed distribution units. This solution is provided with two control scales, namely for fine seeds (like rape or alfalfa) or coarse seeds (cereals, peas).



Fenix A

is a combination seed drill based on an active harrow. As a standard equipment it is provided with a full protection against stones and a possibility to install levelling bars at the front and between the machine and the roller.



The radar sensor

allows for very precise sowing, considering actual drive speed, eliminating the impact from wheel slip.



FENIX 3000

pneumatic seed drills

large grain hopper

uniform grain hopper with capacity of 3000 litres combined with working width 6,0 m provides high efficiency of the tilling and sowing set even in difficult soil conditions. Comfortable ladder with platform facilitates approach the hopper.

stable side markers

hydraulic side markers are folded along the machine so that it facilitates the transport on public roads as well as folding the set into transport position.

covering springs

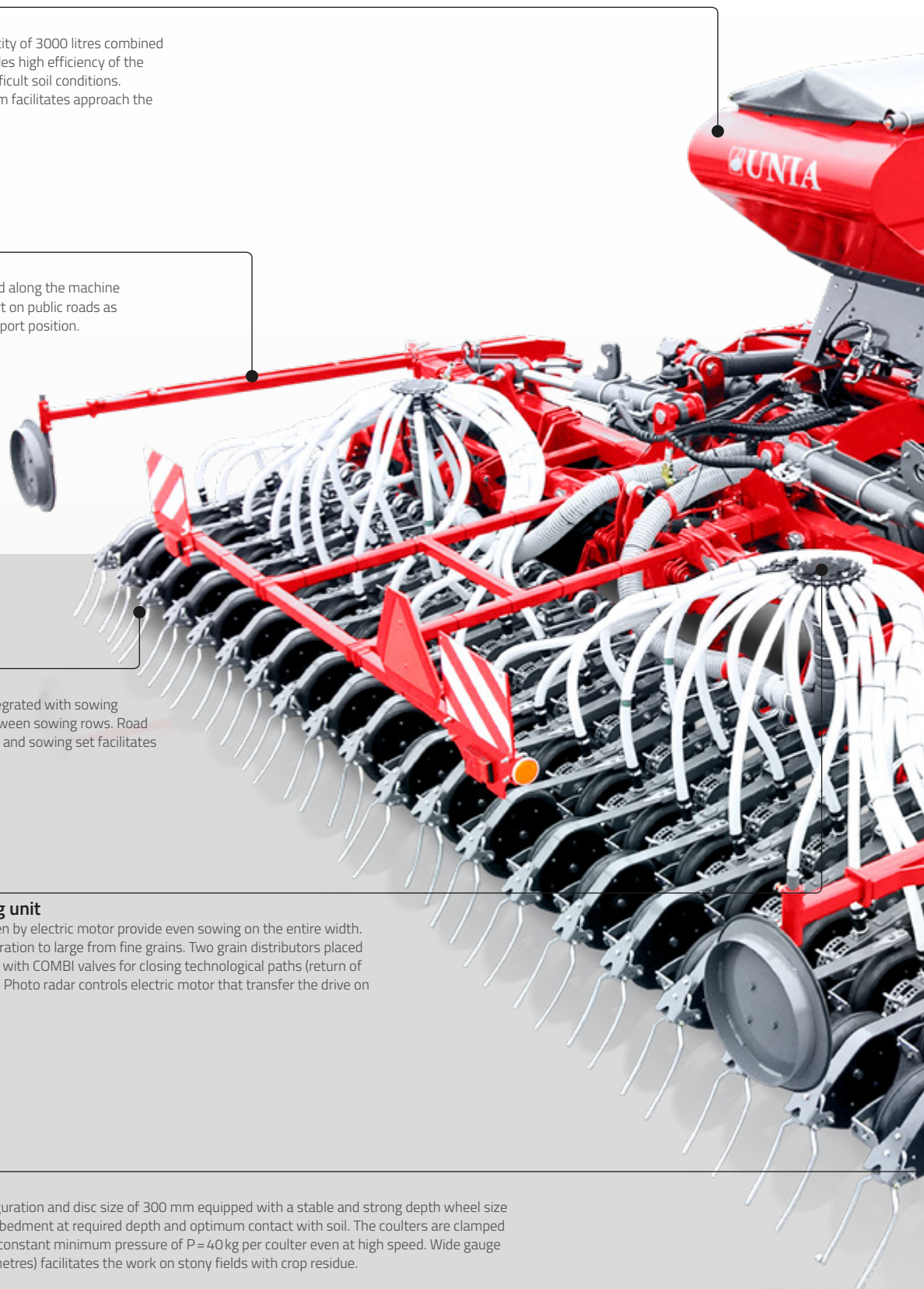
the springs of the firmer are integrated with sowing coulters for proper drainage between sowing rows. Road lighting installed on FENIX tilling and sowing set facilitates safe transport on public roads.

precise grain distributing unit

two grain distributing units driven by electric motor provide even sowing on the entire width. Quick and simple is also the alteration to large from fine grains. Two grain distributors placed above the coulters are equipped with COMBI valves for closing technological paths (return of the grain to the sowing system). Photo radar controls electric motor that transfer the drive on dosing apparatus.

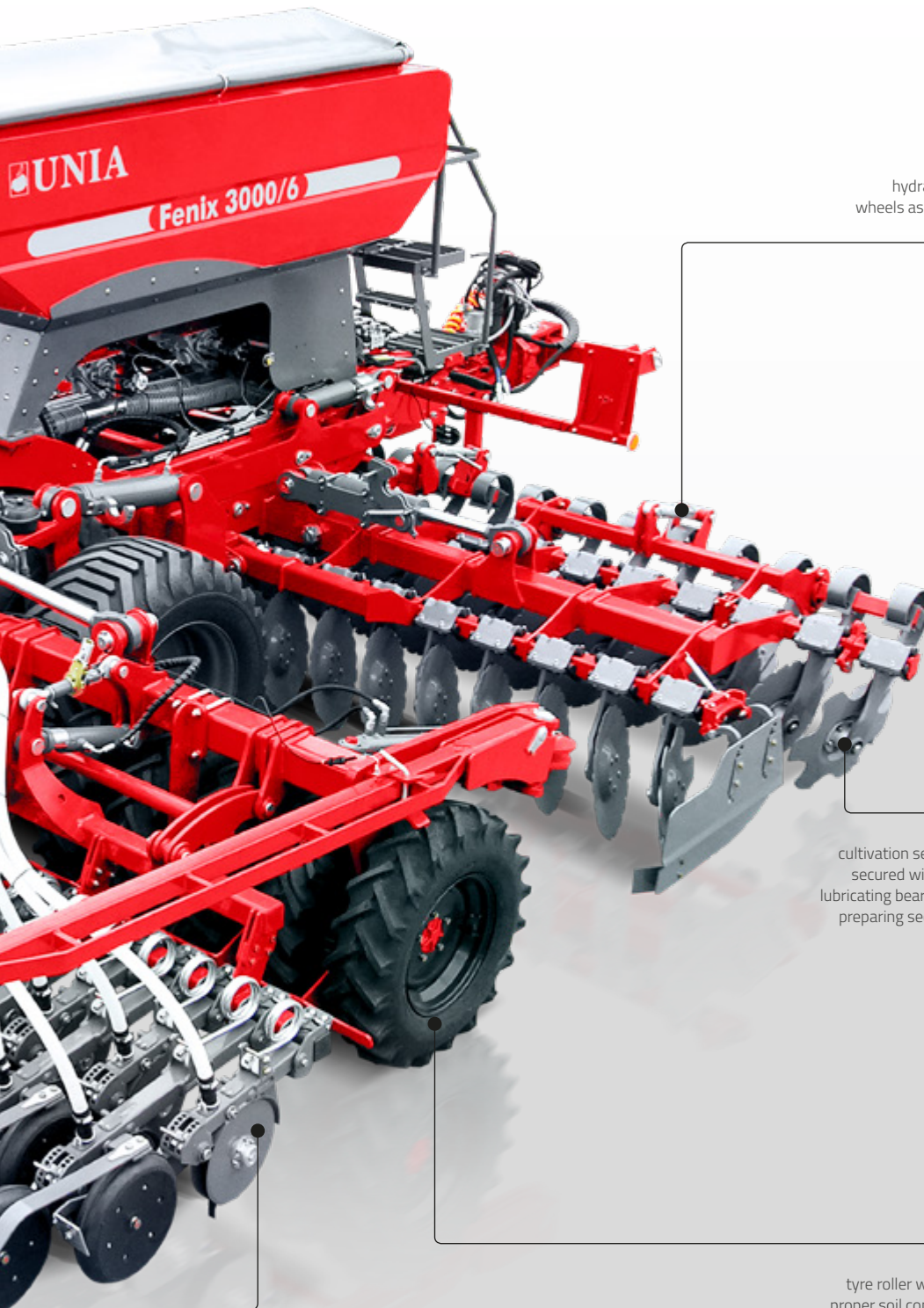
massive disc coulters

double disc coulters in „V“ configuration and disc size of 300 mm equipped with a stable and strong depth wheel size of 350x78 mm ensure grain embedment at required depth and optimum contact with soil. The coulters are clamped by a strong spring that ensures constant minimum pressure of P=40 kg per coulter even at high speed. Wide gauge between the coulters (15 centimetres) facilitates the work on stony fields with crop residue.



FENIX

MODEL	WIDTH (M)	NUMBER OF COULTERS (PCS.)	NUMBER OF DISCS (PCS.)	POWER DEMAND (HP)	WEIGHT (KG)
3000/3	3	24	24	120	4900
3000/4	4	32	32	150	6500
3000/6	6	40	48	220	7600



hydraulic front leveller

hydraulic front leveller evens the ground after tractor's wheels as well as the surface before the soil preparing discs (option)

precise disc cultivation

cultivation section is equipped with two rows of discs 460 mm secured with rubber damper. Discs consist of two rows, self-lubricating bearings provide comfortable work on large fields. Soil preparing section provides effective cultivation even in difficult conditions.

proper soil compaction before sowing

tyre roller with diameter of 800 mm (wheels 7,5x16) ensures proper soil compaction before sowing. Wide diameter of narrow tyres installed on rigid axle provides precise soil levelling on the entire width directly before disc coulters system.

FENIX 3000/6



FENIX 3000

pneumatic seed drills



FENIX 3000/4



"V-TECH" two-disc coulters

3 and 4-metre versions are equipped with coulters with 12.5 cm spacing. The disc diameter is 350 mm. The copying wheel of 300x50 mm ensures adequate density. The minimum coulters pressure is P=40kG. A traditional system of a hinge and a massive pressure spring guarantees very good terrain copying by the coulters.



Drive-thickening tire shaft

Wheel size 420/55-17 (910 mm diameter). Pivoting wheel system facilitates work on light soils in the traditional technology.



485 mm diameter discs

protected with four rubber shock absorbers. They are equipped with double row maintenance-free bearings, which ensures long and comfortable operation.



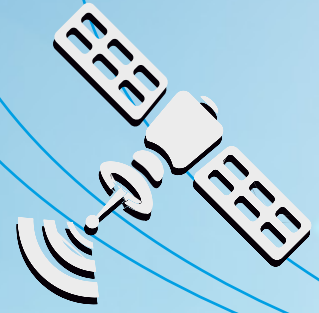
Precise sowing system

It works in the range from 1.8 to 400 kg per hectare. The versatility of the machine allows for the sowing of both fine and large grain. The machine is powered with an electric motor and its speed is controlled by means of a signal from a built-in radar.



FENIX 3000/4 in the transport mode

FENIX 4 and 6 metre is equipped with a hydraulic system of the machine folding up to 3-metre width. A stable transport system based on 4 driving wheels facilitates driving and navigation on public roads.



DRILL-Control computer

– Müller Elektornik

Electronic control of sowing by electric motor controlled by radar. The supreme dosing precision based on two dosing units.

Basic computer drill-control functions:

- control of sowing dosage depending on working speed – work optimization
- constant control of the grain amount on the computer monitor
- simple and easy „calibration test“
- a record of the set-up of sowing dosages for a given grain
- possibility of hectare reading on different fields
- control of tramlines marking
- alteration of sowing dosage during the work
- control of grain level in the hopper



FS T DRIVE

mechanical and pneumatic seed drills

FS T DRIVE

MODEL	WIDTH (M)	NUMBER OF COULTERS (PCS.)	POWER DEMAND (HP)	WEIGHT (KG)
1500/3	3	24	100	2850
1500/4	4	32	140	3250

Seed hoppers

of the capacity of 1,500 dm³

Two-disc

„SHELL” alternating coulters or heavy „V-TECH” coulters

Mechanical drive

of sowing roller from a ground-following wheel.

The DRIVE system

with a wheel shaft of the diameter 670 or 800 mm

In mounted versions,

three cultivating units to choose from: tine, disc, active

FS T DRIVE 1500/3



Stairs integrated

in the back of the seed drill provide free access to the seed hopper.



The dispensing system

for each row and pneumatic distribution translate into perfect uniformity of sowing.



Hydraulic drive cooling system

controlled thermostatically with a temperature indicator prevent overheating of oil and thus increasing the durability of the unit.



PILOT SEED computer in standard equipment

Functional and intuitive computer



HYDROMAX

hydraulic control module (extended hydraulics with control via solenoid valves).



The fan

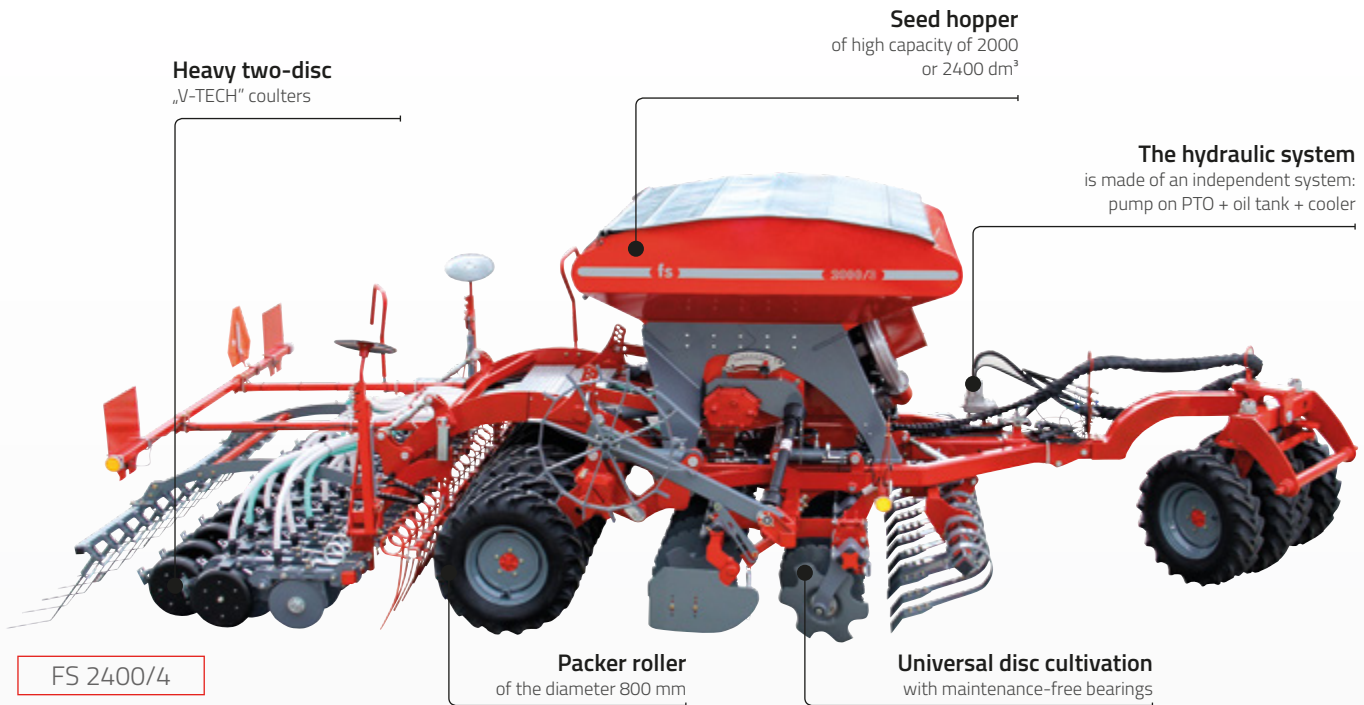
with independent hydraulic system driven by PTO shaft ensure stability of air supply. This prevents clogging of the pipes and ensures rapid transport of seeds to the coulters.

FS

MODEL	WIDTH (M)	NUMBER OF COULTERS (PCS.)	POWER DEMAND (HP)	WEIGHT (KG)
2000/3	3	20	120-140	4300
2400/4	4	28	140-160	4700

FS 2000/2400

mechanical and pneumatic seed drills



Heavy two-disc „V-TECH” coulters

Seed hopper
of high capacity of 2000 or 2400 dm³

The hydraulic system
is made of an independent system: pump on PTO + oil tank + cooler

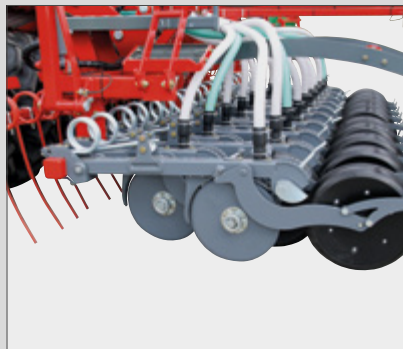
FS 2400/4

Packer roller
of the diameter 800 mm

Universal disc cultivation
with maintenance-free bearings



The fan
is powered by a hydraulic motor of the output of 24 l/min.



Two-disc „V-TECH” coulters
of the diameter of 300 mm with ground-following wheels of the diameter of 350 mm.



Front levelling spring board
design evenly levels the surface of soil before the cultivating discs, which facilitates pre-sowing soil compaction. Easy adjustment of operating pitch with bottle screws.



SUPERIOR
is electronic monitoring of sowing operations and control of seed drill. This panel is compatible with other UNIA machines.



Front Packer rollers
with steering axle for the FS 2400 model and optional in the 1000 model. Uniform operation of the machine and correct setting of the tractor arm position.



Cultivation discs
of the diameter of 460 mm are mounted on a leg and protected with rubber shock absorbers. Mounted maintenance-free bearings ensure comfortable work.



AMBER 900/1200

mechanical seed drills

AMBER

MODEL	WIDTH (M)	NUMBER OF COULTERS (PCS.)	POWER DEMAND (HP)	WEIGHT (KG)
900	3	24	100-120	1750
1200	4	32	120-140	2300

Hydraulic markers

with a special folding system

Hitch Packer

compacts the soil between the tractor wheels

Seed hoppers

of the capacity of 900 or 1200 dm³

Mechanical seeding or combination of seeding with fertilizing
metering system (optional in DUPLO)

Packer roller

of the diameter 670 mm

AMBER 1200/4

Single-disc coulters

protected by rubber shock absorbers



DRIVE is a transport system

based on a tyre roller, which better distributes the weight of the machine and ensures its high stability during the field operations.



Mechanical system distribution

using double measuring rollers with a high-resistance gear box provides even sowing and seed distribution.



Amber 900 in the mounted version

with a rubber roller is a compact solution for situations where high manoeuvrability of the machine is crucial.



The harrow scraper

with individual rigid springs allow to drain and level the surface of the soil above sowing rows to prevent prevent soil surface clumping.



The DUPLO system

enables to dose fertilizer in individual sowing rows; simultaneous sowing and fertilizer spreading. Through independent dosing system, it provides high sowing precision and efficiency.



Single-disc coulters

of the diameter of 40 cm and a pressure of 100 kg guarantee reliability and durability. The AMBER-type coulters allow you to work in difficult conditions and on stony fields where the resistance of the coulters determines the machine's sowing capacity.

AMBER

MODEL	WIDTH (M)	NUMBER OF COULTERS (PCS.)	POWER DEMAND (HP)	WEIGHT (KG)
3000	3	24	120-140	2500
3100	3,5	28	140	2950
3500	4	32	140-160	3100

AMBER 3000/3100/3500

mechanical seed drills

Seed hoppers
of the capacity
of 3000 or 3500 dm³.

Hydraulic markers
with a special folding system

Hitch Packer
compacts the soil between
the tractor wheels



Parallel disc harrow
with discs 460 mm and
a tyre roller 670 mm

Single-disc coulters
of a diameter of 400 mm or double disc
„V-TECH“ coulters of the diameter of 360
with a lateral ground-following wheel

AMBER 3000/3
+ CULTIVATION UNIT



Hydraulically adjusted front levelling board
allows to crush soil lumps and level the surface of the soil before sowing, thus making depth control easier.



Standard version of AMBER
with optionally installed coulters and depth limiters on wheels and a front leveller.



Front PACKER roller
compacts soil between the tractor wheels, which facilitates uniform pre-sowing cultivation.



The double disc coultor
of the diameter of 36 cm and the pressure of 40 kg, coupled with a wheel with independent ground-following of soil to place the seeds at the same depth despite terrain irregularities.



The fertilizer and the seed hopper space
is divided by an adjustable partition, which allows for maximum opening it for seeds or fertilizer (up to 1/3 of the hopper).



Section with 460 mm Premium
cultivating discs on 175 x 13 rubber shock absorbers. Compaction roller of tyre roller-type enables to restore the soil to the proper structure before sowing.



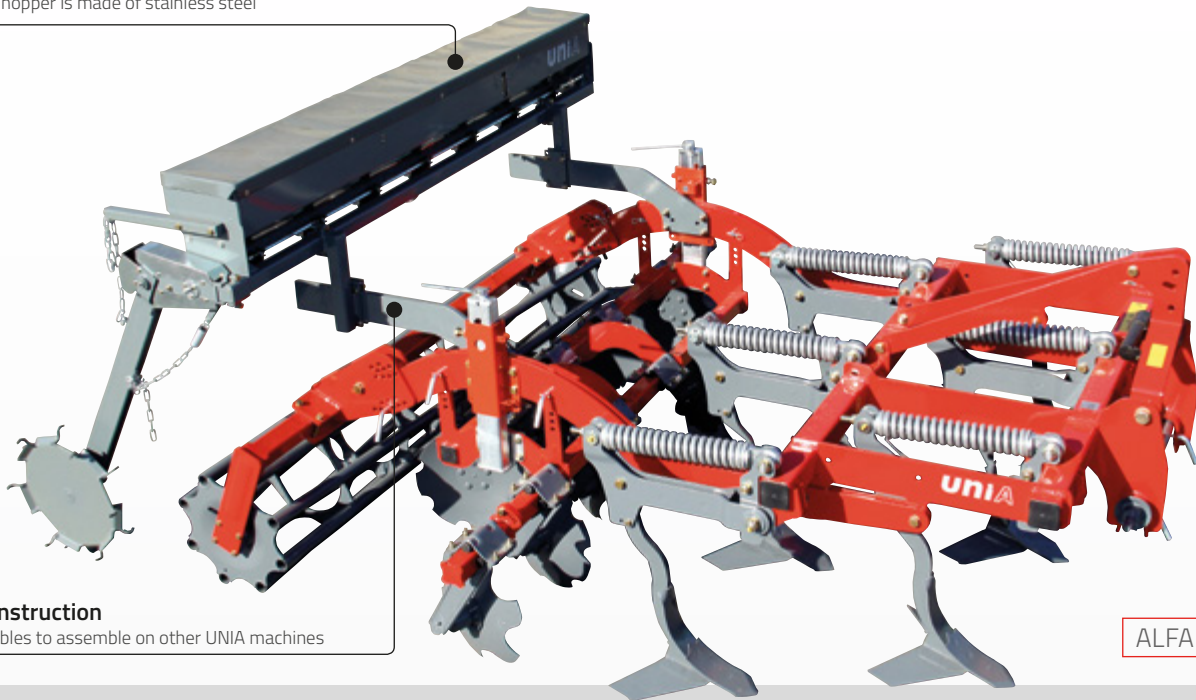
ALFA

mechanical seed drill for aftercrop, fertilizer

ALFA

MODEL	WIDTH (M)	NUMBER OF SOWING UNIT (PCS.)	WEIGHT (KG)
170	2,6	7	100
220	3	8	120
240	4	30	220
550	3	25	265
750	3	12	230

In a fertilizer version,
the hopper is made of stainless steel



Construction
enables to assemble on other UNIA machines

ALFA 220/8/3

The machine can be assembled in factory
on a number of units manufactured by UNIA
(KOS T, KOS, ARES, CUT, CROSS)



Possible options with various numbers
of spreaders suitable for a wide range of
applications

ALFA 220/8/3



Spreading bar in L-models
enables sowing of seeds over the entire sowing
width with easy compaction control.



Fertilizer solutions
installed on the three-point suspension
system provide easy tractor weight control and
separate distribution of fertilizer and seeds.



Row-sowing unit
can precisely sow fine seeds or fertilizers.

ETA

MODEL	WIDTH (M)	NUMBER OF SOWING UNIT (PCS.)		WEIGHT (KG)	
		Electric	Hydraulic	Electric	Hydraulic
200	6	8	—	60	—
500	12	—	16	—	126

ETA 200/500

pneumatic seed drill for aftercrop

Two sowing rollers
for fine and coarse seeds

Two capacities of tank
200 or 500 l

Factory-installed mounting system
facilitates mounting on UNIA machines (KOS, ARES, CROSS, CUT)

Standard mounting plate



ETA 500



Pneumatic cover crop seed drill
may be mounted on folding combined units due to flexible seed/fertilizer conduits.



Hydraulic drive
dedicated to a working width of 6 to 12 meters. In the ETA 500 version, also with an increased number of spreaders.



Electric drive
provides effective operation up to 6 working meters in ETA model 200.



Basic control
3.2 control computer allows for manually control of seed drill functions without the use of additional sensors at a constant working speed.



The 5.2 computer
allows for full control sowing, conducting automatic seed calibration test, connecting the sensors for the seed drill control, regardless of the operating speed of the machine.



ETA pneumatic seed drill
mounted on AKCENT weeder harrow is an interesting solution for those who want to ecologically control the amount of weeds on their field.

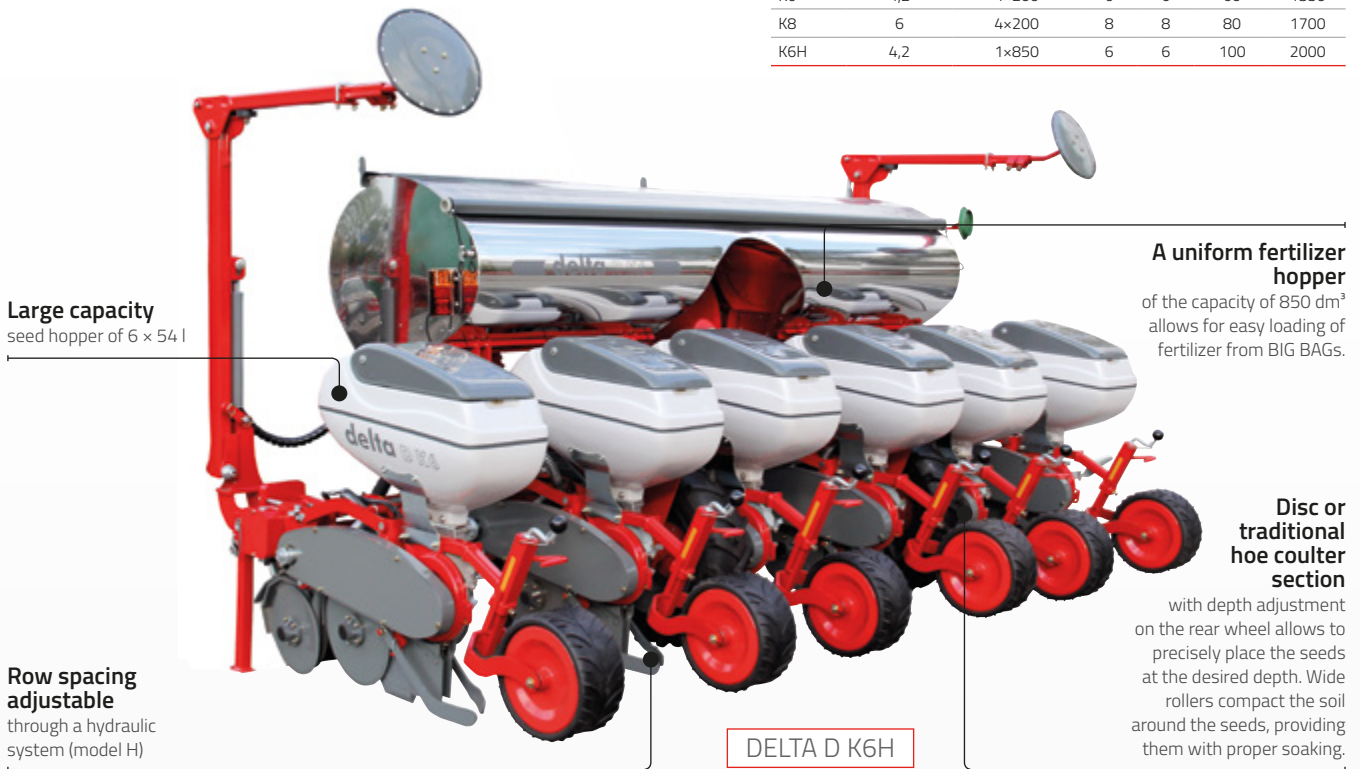


DELTA / DELTA H

pneumatic precision seed drills

DELTA

MODEL	WIDTH (M)	FERTILIZER TANK (L)	NUMBER OF COULTERS (PCS.)		POWER DEMAND (HP)	WEIGHT (KG)
			D	D		
K4	3	2x200	4	4	45	1050
K6	4,2	4x200	6	6	60	1350
K8	6	4x200	8	8	80	1700
K6H	4,2	1x850	6	6	100	2000



Large capacity
seed hopper of 6 x 54 l

A uniform fertilizer hopper
of the capacity of 850 dm³ allows for easy loading of fertilizer from BIG BAGS.

Row spacing adjustable
through a hydraulic system (model H)

Disc or traditional hoe coulter section
with depth adjustment on the rear wheel allows to precisely place the seeds at the desired depth. Wide rollers compact the soil around the seeds, providing them with proper soaking.

DELTA D K6H



Delta sowing section



DELTA K4 has two fertilizer hoppers of the capacity of 200 litres each.

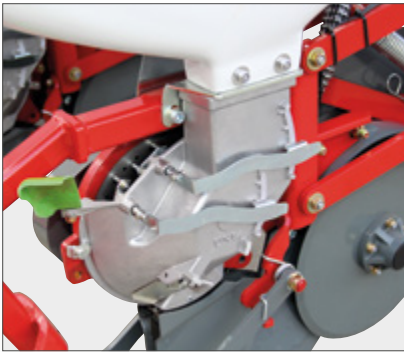


The markers fold
in half, allowing to transport the machine even under low obstacles.



Folding frame (H)

enables to fold the unit up to the transport width of 3 m and to change row spans of 75, 70, 65 cm, which helps to better spread the plants on the field and adjust the sowing pattern to the type of the sown seeds.



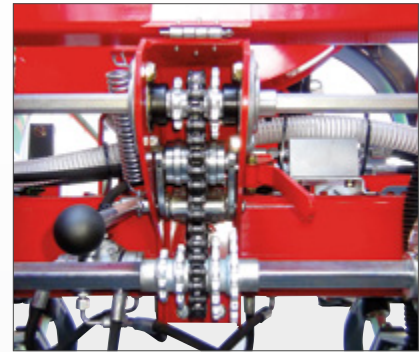
Two independent seeds selectors

enable precise separation and as a result, their homogeneous distribution on the field. Precise setting translates into precise sowing.



The fertilizer disc couler

can work on the fields with high amount of post-harvest waste.



The gear wheel

allows to easily control the required distance between seeds.



MICRO dispensers

allow to sow start dose of fertilizer in the form of micro-granules.



Stepless gearbox

allows for free adjustment of the fertilizer dose, and the calibration test, if performed, accurately determines the applied fertilizer dose.



PM100 E

allows to control the sowing sections and check if the seeds fall out of the section and thus avoid idle runs.



PM300 E

computer for sowing control allows to fully collect sowing data (sowing distance, sowing density and the daily output). The computer also prevents from idle runs.



The grids

are made of, just like the seed hopper, of stainless steel. Revision openings, visible from the tractor cabin allow you to assess the amount of seeds in the hopper.



The transport of fertilizer

to the external coulters is performed pneumatically, which significantly increases the uniformity of fertilizer dosing across the entire operating width of the machine.



KRUK

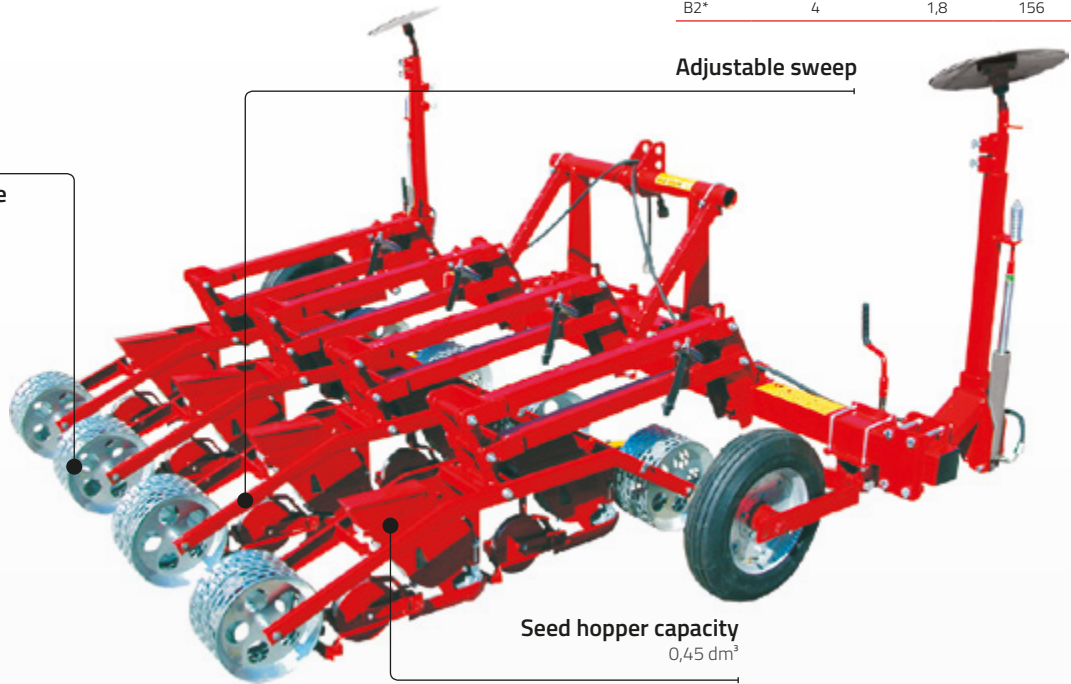
mechanical precision seed drills for vegetables

KRUK

MODEL	NUMBER OF ROWS (PCS.)	WIDTH (M)	WEIGHT (KG)	POWER DEMAND (HP)
A	1	—	13	manual
A2*	2	1,8	126	30
B	2	—	23	manual
B2*	4	1,8	156	30

Openwork pressure rollers
soil clumping

Adjustable sweep

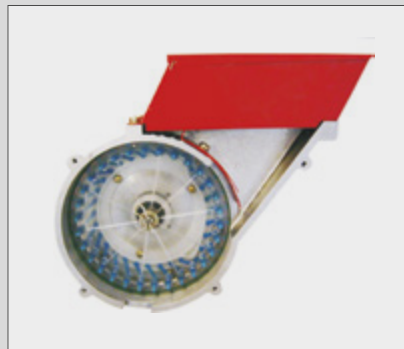


KRUK B4

Seed hopper capacity
0,45 dm³



KRUK mechanical precision seed drill
is available in two versions: A and B (manual versions) and A1 and B1 and more rows (trailed versions).



Aluminium body
prevents electricity build-up on seeds.



The sowing section
may be equipped with one or two distributors, depending on the vegetables sowing technology.



A system of wheels
with 30 sowing cups enables precise sowing. The cups must be correctly selected to match the size of the seeds.



The seed drill may be composed
from 2 to 8 sections, depending on the sowing and the cultivation technology.

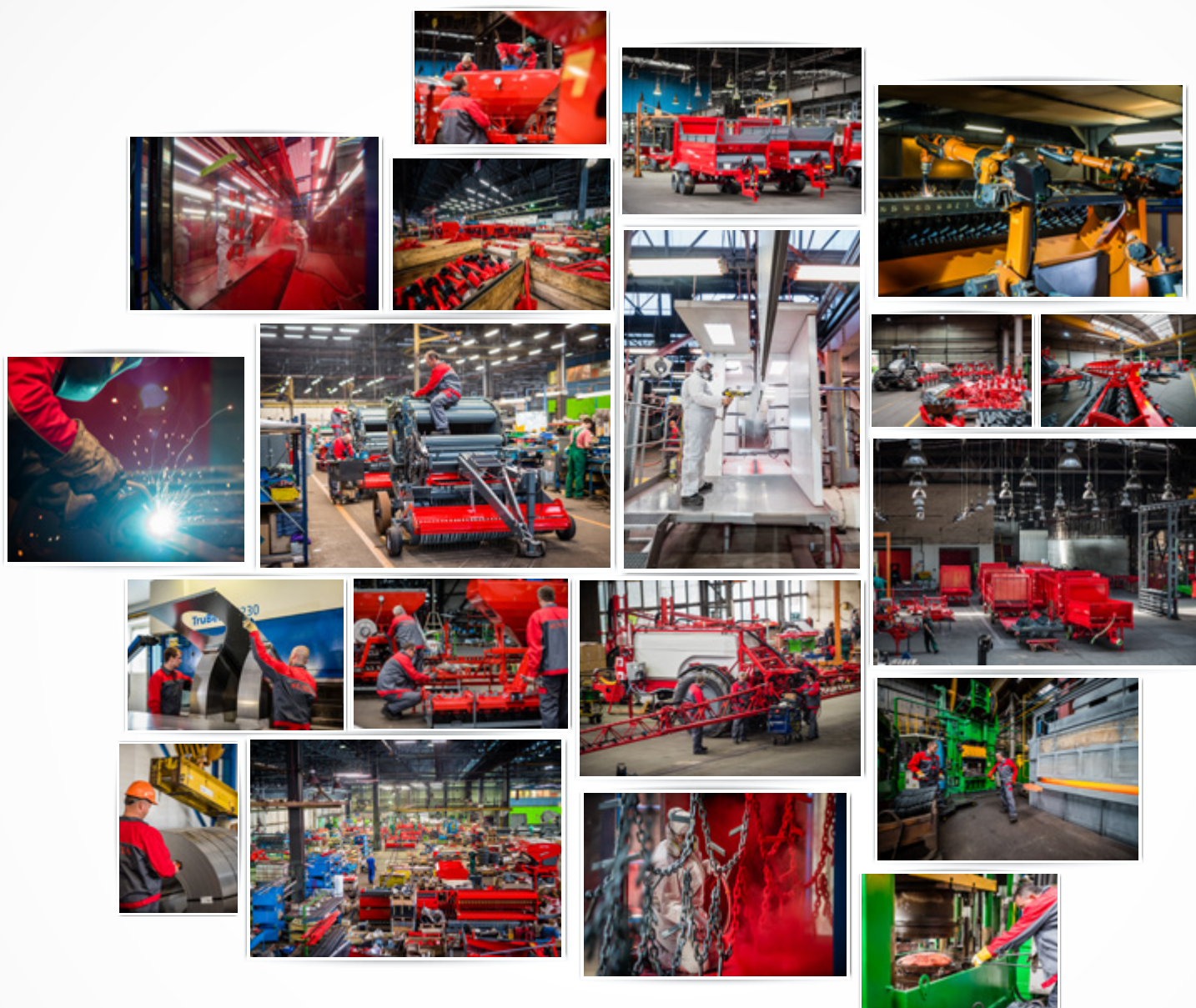


Adjustable support wheels
are responsible for the operation of the machine on sowing coulters.





UNIA



Unia Sp. z o.o.
ul. Szosa Toruńska 32/38
86-300 Grudziądz
export@uniamachines.com

DEALER